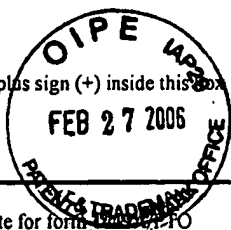


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| | | | | Filing Date | December 31, 2003 |
| | | | | First Named Inventor | KOZLOWSKI, Antoni |
| | | | | Group Art Unit | 1713 |
| | | | | Examiner Name | Robago, R. |
| Sheet | 1 | of | 9 | Attorney Docket Number | 6800-0063 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|----------------------|--------------------------------------|---|---|
| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY |
| | | Number | Kind Code ² (if known) | | |
| 221 | A1 | 4,179,337 | A | Davis, et al. | 12-18-1979 |
| | A2 | 4,179,551 | A | Jones, et al. | 12-18-1979 |
| | A3 | 4,229,550 | A | Jones, et al. | 10-21-1980 |
| | A4 | 4,251,626 | A | Minamizono, et al. | 02-17-1981 |
| | A5 | 4,645,741 | A | Inada | 02-24-1987 |
| | A6 | 4,675,414 | A | Defusco, et al. | 06-23-1987 |
| | A7 | 4,839,345 | A | Hiroshi, et al. | 06-13-1989 |
| | A8 | 5,166,322 | A | Shaw, et al. | 11-24-1992 |
| | A9 | 5,527,528 | A | Allen, et al. | 06-18-1996 |
| | A10 | 5,583,114 | A | Barrows, et al. | 12-10-1996 |
| | A11 | 5,585,484 | A | Acharya, et al. | 12-17-1996 |
| | A12 | 5,620,689 | A | Allen, et al. | 04-15-1997 |
| | A13 | 5,641,856 | A | Meurs, et al. | 06-24-1997 |
| | A14 | 5,766,897 | A | Braxton | 6-16-1998 |
| | A15 | 5,844,020 | A | Paine, et al. | 12-01-1998 |
| | A16 | 5,932,462 | A | Harris, et al. | 08-03-1999 |
| | A17 | 6,001,958 | A | Tapolsky, et al. | 12-14-1999 |
| | A18 | 6,139,819 | A | Unger, et al. | 10-31-2000 |
| | A19 | 6,180,134 | B1 | Zalipsky, et al. | 01-03-2001 |
| | A20 | 6,180,598 | B1 | Nelson | 01-30-2001 |
| | A21 | 6,183,738 | B1 | Clarke | 02-06-2001 |
| | A22 | 6,210,707 | B1 | Papahadjopoulos, et al. | 04-03-2001 |
| | A23 | 6,261,537 | B1 | Klaveness, et al. | 07-17-2001 |
| | A24 | 6,271,339 | B1 | Thepot, et al. | 08-07-2001 |
| | A25 | 6,303,119 | B1 | Weisgerber, et al. | 10-16-2001 |
| | A26 | 6,306,923 | B1 | Thepot, et al. | 10-23-2001 |
| | A27 | 6,331,289 | B1 | Klaveness, et al. | 12-18-2001 |
| | A28 | 6,521,211 | B1 | Unger, et al. | 02-18-2003 |
| | A29 | 6,552,170 | B1 | Thompson, et al. | 04-22-2003 |
| | A30 | 6,602,498 | B2 | Shen, et al. | 08-05-2003 |
| | A31 | 2001/0044526 | A1 | Shen | 11-22-2001 |
| | A32 | 2002/0082345 | A1 | Kozlowski, et al. | 06-27-2002 |
| | A33 | 2003/0065134 | A1 | Sakanoue, et al. | 04-03-2003 |
| | A34 | 2003/0086867 | A1 | Lanza, et al. | 05-08-2003 |
| | A35 | 2003/0149307 | A1 | Hai, et al. | 08-07-2003 |
| | A36 | 2003/0162693 | A1 | Winslow, et al. | 08-28-2003 |
| | A37 | 2003/0170474 | A1 | Qiao, et al. | 09-11-2003 |
| | A38 | 2004/0167287 | A1 | Kozlowski, et al. | 08-26-2004 |
| 221 | A39 | 2005/0014903 | A1 | Kozlowski, et al. | 01-20-2005 |

| | | | |
|-----------------------|--|--------------------|---------|
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|-----------------------|-------------------------|---------------------|-----------|---|--|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | T ² |
| | | Office ³ | Number ⁴ | Kind Code | | | |
| RM | B1 | CN | 1110681 | A | Shanghai Biochemistry Inst. | 10-25-1995 | |
| | B2 | DE | 19652544 | A1 | Wacker-Chemie G.m.b.H. | 06-18-1998 | |
| | B3 | EP | 357110 | A1 | AKZO N.V. | 03-07-1990 | |
| | B4 | EP | 878482 | A1 | Dainippon Ink and Chemicals, Inc. | 11-18-1998 | |
| | B5 | EP | 0714402 | B9 | PolyMASC Pharmaceuticals | 11-15-2000 | |
| | B6 | EP | 1046394 | A2 | ImaRx Pharmaceutical Corp. | 10-25-2000 | |
| | B7 | FR | 2206317 | A1 | Institut Francais du Petrole | 06-07-1974 | |
| | B8 | JP | 50110491 | A2 | Furukawa Electric Co. | 08-30-1975 | |
| | B9 | JP | 57192418 | A2 | Mitsui Toatsu Chemicals, Inc. | 11-26-1982 | |
| | B10 | JP | 57205413 | A2 | Mitsui Toatsu Chemicals, Inc. | 12-16-1982 | |
| | B11 | JP | 58015515 | A2 | Mitsui Toatsu Chemicals, Inc. | 01-28-1983 | |
| | B12 | JP | 58040374 | A2 | Mitsui Toatsu Chemicals, Inc. | 03-09-1983 | |
| | B13 | JP | 63277619 | A2 | Nippon Oils & Fats Co., Ltd. | 11-15-1988 | |
| | B14 | JP | 63286445 | A2 | Bridgestone Corp. | 11-24-1988 | |
| | B15 | JP | 01062338 | A2 | Bridgestone Corp. | 03-08-1989 | |
| | B16 | JP | 01088129 | A2 | Nippon Oils & Fats Co., Ltd. | 04-03-1989 | |
| | B17 | JP | 02149335 | A2 | Nippon Oils & Fats Co., Ltd. | 06-07-1990 | |
| | B18 | JP | 07132685 | A2 | Fuji Photo Film Co., Ltd. | 05-23-1995 | |
| | B19 | JP | 08041195 | A2 | Nippon Oils & Fats Co., Ltd. | 02-13-1996 | |
| | B20 | JP | 08117586 | A2 | Nippon Oils & Fats Co., Ltd. | 05-14-1996 | |
| | B21 | JP | 11349877 | A2 | Tektronic, Inc. | 12-21-1999 | |
| | B22 | JP | 2000/144033 | A2 | Dainippon Ink and Chemicals, Inc. | 05-26-2000 | |
| | B23 | JP | 2000/143729 | A2 | Dainippon Ink and Chemicals, Inc. | 05-26-2000 | |
| | B24 | JP | 2000/144041 | A2 | Dainippon Ink and Chemicals, Inc. | 05-26-2000 | |
| | B25 | JP | 2000/306605 | A2 | Dainippon Ink and Chemicals, Inc. | 11-02-2000 | |
| | B26 | JP | 2000/319252 | A2 | Dainippon Ink and Chemicals, Inc. | 11-21-2000 | |
| | B27 | JP | 2001/172554 | A2 | Dainippon Ink and Chemicals, Inc. | 06-26-2001 | |
| | B28 | JP | 2001/294777 | A2 | Dainippon Ink and Chemicals, Inc. | 10-23-2001 | |
| | B29 | JP | 2001/322976 | A2 | Dainippon Ink and Chemicals, Inc. | 11-20-2001 | |
| | B30 | JP | 2002/121221 | A2 | Dainippon Ink and Chemicals, Inc. | 04-23-2002 | |
| | B31 | JP | 2002/265442 | A2 | Dainippon Ink and Chemicals, Inc. | 09-18-2002 | |
| | B32 | JP | 2002/265541 | A2 | Dainippon Ink and Chemicals, Inc. | 09-18-2002 | |
| | B33 | JP | 2003/040939 | A2 | Dainippon Ink and Chemicals, Inc. | 02-13-2003 | |
| | B34 | JP | 2003/221443 | A2 | Dainippon Ink and Chemicals, Inc. | 08-05-2003 | |
| | B35 | JP | 2003/241337 | A2 | Konishiroku Photo Ind. | 08-27-2003 | |
| | B36 | WO | 90/12874 | A2 | Genetics Inst. | 11-01-1990 | |
| | B37 | WO | 92/16221 | A1 | Synergen, Inc. | 10-01-1992 | |
| | B38 | WO | 94/21235 | A1 | Liposome Technology, Inc. | 09-29-1994 | |
| | B39 | WO | 94/21281 | A1 | Liposome Technology, Inc. | 09-29-1994 | |
| RM | B40 | WO | 95/11987 | A1 | Incyte Pharmaceuticals, Inc. | 05-04-1995 | |

| | | | |
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|--------------------------|-----------------------|-------------------------|---------------------|-----------|---|--|
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| | | Office ⁶ | Number ⁷ | Kind Code | | |
| RL | B41 | WO | 96/32841 | A1 | Burstein Laboratories, Inc. | 10-24-1996 |
| | B42 | WO | 96/40285 | A1 | ImaRx Pharmaceutical Corp. | 12-19-1996 |
| | B43 | WO | 98/02743 | A1 | Sensors Technology Co. | 01-22-1998 |
| | B44 | WO | 98/11919 | A2 | Diagnocure, Inc. | 03-26-1998 |
| | B45 | WO | 98/18500 | A2 | Nycomed Imaging AS | 05-07-1998 |
| | B46 | WO | 98/22092 | A1 | Regents of the University of California | 05-28-1998 |
| | B47 | WO | 98/30575 | A1 | Nexstar Pharmaceuticals, Inc. | 07-16-1998 |
| | B48 | WO | 98/31383 | A1 | Pheonix Pharmacologies, Inc. | 07-23-1998 |
| | B49 | WO | 99/03887 | A1 | Bolder Biotechnology, Inc. | 01-28-1999 |
| | B50 | WO | 99/13919 | A1 | ImaRx Pharmaceutical Corp. | 03-25-1999 |
| | B51 | WO | 99/48918 | A1 | The Proctor & Gamble Co. | 09-30-1999 |
| | B52 | WO | 99/48928 | A1 | Sun Chemical Corp. | 09-30-1999 |
| | B53 | WO | 99/55837 | A2 | Nycomed Imaging AS | 11-04-1999 |
| | B54 | WO | 99/64460 | A1 | Celltech Therapeutics, Ltd. | 12-16-1999 |
| | B55 | WO | 00/005582 | A2 | Burstein Laboratories, Inc. | 02-03-2000 |
| | B56 | WO | 00/010974 | A2 | DSM N.V. | 03-02-2000 |
| | B57 | WO | 00/016733 | A2 | The Proctor & Gamble Co. | 03-30-2000 |
| | B58 | WO | 00/026256 | A2 | Centocor, Inc. | 05-11-2000 |
| | B59 | WO | 00/045856 | A2 | ImaRx Pharmaceutical Corp. | 08-10-2000 |
| | B60 | WO | 01/007484 | A2 | The Proctor & Gamble Co. | 02-01-2001 |
| | B61 | WO | 01/007577 | A2 | The Proctor & Gamble Co. | 02-01-2001 |
| | B62 | WO | 01/012154 | A2 | Celltech Chiroscience, Ltd. | 02-22-2001 |
| | B63 | WO | 01/048052 | A1 | Kyowa Hakko Kogyo Co., Ltd. | 07-05-2001 |
| | B64 | WO | 02/037850 | A2 | Dainippon Ink and Chemicals, Inc. | 02-06-2002 |
| | B65 | WO | 02/025644 | A1 | Dainippon Ink and Chemicals, Inc. | 03-28-2002 |
| | B66 | WO | 02/035636 | A1 | Dainippon Ink and Chemicals, Inc. | 05-02-2002 |
| | B67 | WO | 02/036161 | A2 | ImaRx Therapeutics, Inc. | 05-10-2002 |
| | B68 | WO | 02/060978 | A1 | Kyowa Hakko Kogyo Co., Ltd. | 08-08-2002 |
| | B69 | WO | 02/076428 | A1 | Alza Corp. | 10-03-2002 |
| | B70 | WO | 02/083067 | A2 | Cryolife, Inc. | 10-24-2002 |
| | B71 | WO | 02/100343 | A2 | Mandelmed, Inc. | 12-19-2002 |
| | B72 | WO | 03/028640 | A2 | Univ. Vanderbilt | 04-10-2003 |
| | B73 | WO | 03/034995 | A2 | Scripps Research Institute | 05-01-2003 |
| | B74 | WO | 03/047549 | A2 | Mitsubishi Chem. Corp. | 06-12-2003 |
| | B75 | WO | 03/057134 | A2 | Amgen, Inc. | 07-17-2003 |
| | B76 | WO | 03/059363 | A1 | Sangart, Inc. | 07-24-2003 |
| | B77 | WO | 03/061577 | A2 | Biogen, Inc. | 07-31-2003 |
| RL | B78 | WO | 03/064462 | A1 | Chugai Pharmaceutical Co., Ltd. | 08-07-2003 |
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| OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS | | | |
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| <i>RM</i> | C1 | ACEVEDO, <i>et al.</i> , "Synthesis and Characterization of Imide End-Capped Oligomers of Poly(diethyleneglycol Terephthalate)," <i>J. of Applied Polymer Sci.</i> <u>38</u> (9):1745-1759 (1989) | |
| | C2 | ACEVEDO, <i>et al.</i> , "Kinetic Study Of The Crosslinking Reaction Of Flexible Bismaleimides," <i>Polymer</i> <u>31</u> (10):1955-1959 (1990) | |
| | C3 | ACEVEDO, <i>et al.</i> , "Semi-Interpenetrating Polymer Networks Of Maleimide End-Capped Oligoesters," <i>Polymer</i> <u>32</u> (12):2210-2214 (1991) | |
| | C4 | ALAM, <i>et al.</i> , "The Importance Of Being Knotted: Effects Of The C-Terminal Knot Structure On Enzymatic And Mechanical Properties Of Bovine Carbonic Anhydrase II," <i>FEBS Letters</i> <u>519</u> (1-3):35-40 (2002) | |
| | C5 | ALLEN, <i>et al.</i> , "Use Of The Post-Insertion Method For The Formation Of Ligand-Coupled Liposomes," <i>Cellular & Molecular Biol. Letters</i> <u>7</u> (3):889-894 (2002) | |
| | C6 | ANDREADIS, <i>et al.</i> , "Use Of Immobilized PCR Primers To Generate Covalently Immobilized Dnas For In Vitro Transcription/Translation Reactions," <i>Nucleic Acids Research</i> <u>28</u> (2):II-VIII (2000) | |
| | C7 | BESTMAN-SMITH, <i>et al.</i> , "Sterically Stabilized Liposomes Bearing Anti-HLA-DR Antibodies For Targeting The Primary Cellular Reservoirs Of HIV-1," <i>Biochimica et Biophysica Acta</i> <u>1468</u> (1-2):161-174 (2000) | |
| | C8 | BIENIARZ, <i>et al.</i> , "Extended Length Heterobifunctional Coupling Agents For Protein Conjugations," <i>Bioconjugate Chem.</i> <u>7</u> :88-95 (1996) | |
| | C9 | BLESSING, <i>et al.</i> , "Different Strategies For Formation Of PEGylated EGF-Conjugated PEI/DNA Complexes For Targeted Gene Delivery," <i>Bioconjugate Chem.</i> <u>12</u> (4):529-537 (2001) | |
| | C10 | CHIAN, <i>et al.</i> , "Synthesis Of Bismaleimide Resin Containing The Poly(Ethylene Glycol) Side Chain: Curing Behavior And Thermal Properties," <i>J. of Applied Polymer Sci.</i> <u>85</u> (14):2935-2945 (2002) | |
| | C11 | CHAIN, <i>et al.</i> , "Mechanical Properties And Morphology Of Poly(Ethylene Glycol)-Side-Chain-Modified Bismaleimide Polymer," <i>J. of Applied Polymer Sci.</i> <u>86</u> (3):715-724 (2002) | |
| <i>RM</i> | C12 | CHLUBA, <i>et al.</i> , "Enhancement Of Gene Delivery By An Analogue Of α -MSH In A Receptor-Independent Fashion," <i>Biochimica et Biophysica Acta</i> <u>1510</u> (1-2):198-208 (2001) | |

| | | | |
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| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | | |
|---|-----------------------|---|----------------|
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| PC | C13 | CHRISTAKOPOULOS, <i>et al.</i> , "Enhancement Of pH-Stability Of A Low Molecular Mass Endoglucanase From Fusarium Oxysporum By Protein Pegylation," <i>Carbohydrate Res.</i> <u>314</u> (1-2):95-99 (1998) | |
| | C14 | DAUTY, <i>et al.</i> , "Intracellular Delivery Of Nanometric DNA Particles Via The Folate Receptor," <i>Bioconjugate Chem.</i> <u>13</u> (4):831-839 (2002) | |
| | C15 | DERYCKE, <i>et al.</i> , "Transferrin-Mediated Targeting Of Hypericin Embedded In Sterically Stabilized PEG-Liposomes," <i>International J. of Oncology</i> <u>20</u> (1):181-187 (2002) | |
| | C16 | DIX, <i>et al.</i> , "Chain Extension And Crosslinking Of Telechelic Oligomers-I. Michael Additions Of Bismines To Bismaleimides And Bis(Acetylene Ketones)," <i>Eur. Polym. J.</i> <u>31</u> (7):647-652 (1995) | |
| | C17 | FLEINER, <i>et al.</i> , "Studies On Protein-Liposome Coupling Using Novel Thiol-Reactive Coupling Lipids: Influence Of Spacer Length And Polarity," <i>Bioconjugate Chem.</i> <u>12</u> (4):470-475 (2001) | |
| | C18 | FLES, <i>et al.</i> , "Synthesis And Spectroscopic Evidence Of N-Arylmaleimides And N-Aryl-2,3-Dimethylmaleimides," <i>Croatica Chemica Acta</i> , <u>76</u> (1):69-74 (2003) | |
| | C19 | GAGNÉ, "Targeted Delivery Of Indinavir To HIV-1 Primary Reservoirs With Immunoliposomes," <i>Biochimica et Biophysica Acta</i> , <u>1558</u> (2):198-210, (2002) | |
| | C20 | GAIÑA, <i>et al.</i> , "Bismaleimide Resins Containing Urethanic Moieties," <i>J of Macromolecular Sci. - Pure and Appl. Chem.</i> <u>A34</u> (12):2435-2449 (1997) | |
| | C21 | GHENEIM, <i>et al.</i> , "Diels-Alder Reactions With Novel Polymeric Dienes And Dienophiles: Synthesis Of Reversibly Cross-Linked Elastomers," <i>Macromolecules</i> <u>35</u> (19):7246-7253 (2002) | |
| | C22 | GUSENS, <i>et al.</i> , "Targeting Of The Photocytotoxic Compound AIPcS4 To Hela Cells By Transferring Conjugate PEG-Liposomes," <i>Intern. J. of Cancer</i> <u>101</u> (1):78-85 (2002) | |
| | C23 | GOODSON, <i>et al.</i> , "Site-Directed Pegylation Of Recombinant Interleukin-2 At Its Glycosylation Site," <i>Biotech.</i> <u>8</u> :343-346 (1990) | |
| PC | C24 | HAI, <i>et al.</i> , "Synthesis Of Water-Soluble, Nonimmunogenic Polyamide Cross-Linking Agents," <i>Bioconjugate Chem.</i> <u>9</u> (6):645-654 (1998) | |

| | | | |
|---------------------------|----------------------|------------------------|---------|
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| PK | C25 | HAI, <i>et al.</i> , "Polymerization Of Diaspirin Cross-Linked Hemoglobin (DCLHb) With Water-Soluble, Non-immunogenic Polyamide Cross-Linking Agents," <i>Bioconjugate Chem.</i> <u>10</u> (6):1013-1020 (1999) | |
| | C26 | HEIMBUCH, <i>et al.</i> , "Composites Of Vinyl Polystyrylpyridine/Bismaleimide-Aliphatic Ether Copolymers," <i>SAMPE Quarterly</i> <u>20</u> (3):17-21 (1989) | |
| | C27 | HILL, <i>et al.</i> , "Diels-Alder Bioconjugation Of Diene-Modified Oligonucleotides," <i>J. Org. Chem.</i> <u>66</u> (16):5352-5358 (2001) | |
| | C28 | HUWYLER, <i>et al.</i> , "Bypassing Of P-glycoprotein Using Immunoliposomes," <i>J. of Drug Targeting</i> <u>10</u> (1):73-79 (2002) | |
| | C29 | ISHIDA, <i>et al.</i> , "Targeted Delivery And Triggered Release Of Liposomal Doxorubicin Enhances Cytotoxicity Against Human B Lymphoma Cells," <i>Biochimica et Biophysica Acta</i> , <u>1515</u> (2):144-158, (2001) | |
| | C30 | JUSZCZAK, <i>et al.</i> , "UV Resonance Raman Study Of β 93-Modified Hemoglobin A: Chemical Modifier-Specific Effects And Added Influences Of Attached Poly(Ethylene Glycol)," <i>Biochemistry</i> <u>41</u> (1):376-385 (2002) | |
| | C31 | KIRPOTIN <i>et al.</i> , "Sterically Stabilized Anti-HER2 Immunoliposomes : Design And Targeting To Human Breast Cancer Cells In Vitro," <i>Biochemistry</i> <u>36</u> (1):66-75 (1997) | |
| | C32 | KIRCHMEIER, <i>et al.</i> , "Correlations Between The Rate Of Intracellular Release Of Endocytosed Liposomal Doxorubicin And Cytotoxicity As Determined By A New Assay," <i>J. of Liposome Res.</i> <u>11</u> (1):15-29 (2001) | |
| | C33 | KLEY, <i>et al.</i> , "Synthesis Of Novel Thiol-Reactive Amphiphilic Lipids Based On Cholesterol For Protein-Liposome Coupling," <i>Monatshefte für Chemie</i> <u>129</u> (3):319-327 (1998) | |
| | C34 | KOGAN, "The Synthesis Of Substituted Methoxy-Poly(Ethyleneglycol) Derivatives Suitable For Selective Protein Modification," <i>Synthetic Communications</i> <u>22</u> (16):2417-2424 (1992) | |
| | C35 | KUEHNE, <i>et al.</i> , "Synthesis And Characterization Of Membrane-Active GALA-OKT9 Conjugates," <i>Bioconjugate Chemistry</i> <u>12</u> (5):742-749 (2001) | |
| PK | C36 | KULLBERG, <i>et al.</i> , "Development Of EGF-Conjugated Liposomes For Targeted Delivery Of Boronated DNA-Binding Agents," <i>Bioconjugate Chem.</i> <u>13</u> (4):737-743 (2002) | |

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| | | First Named Inventor | KOZLOWSKI, Antoni | | |
| | | Group Art Unit | 1713 | | |
| | | Examiner Name | Robago, R. | | |
| Sheet | 7 | of | 9 | Attorney Docket Number | 6800-0063 |

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| <i>RL</i> | C37 | LEE, <i>et al.</i> , "A New Gene Delivery Formulation Of Polyethylenimine/DNA Complexes Coated With PEG Conjugated Fusogenic Peptide," <i>Journal of Controlled Release</i> <u>76</u> (1-2):183-192 (2001) | |
| | C38 | LU, <i>et al.</i> , "Preparation And Biological Evaluation Of Polymerizable Antibody Fab' Fragment Targeted Polymeric Drug Delivery System," <i>Journal of Controlled Release</i> <u>74</u> (1-3):263-268 (2001) | |
| | C39 | MAKMURA, <i>et al.</i> , "Development Of A Sensitive Assay To Detect Reversibly Oxidized Protein Cysteine Sulfhydryl Groups," <i>Antioxidants & Redox Signaling</i> <u>3</u> (6):1105-1118 (2001) | |
| | C40 | MANJULA, <i>et al.</i> , "Cys-93-β-Succinimidophenyl Polyethylene Glycol 2000 Hemoglobin A. Intramolecular Cross-Bridging Of Hemoglobin Outside The Central Cavity," <i>The J. of Biological Chemistry</i> <u>275</u> (8):5527-5534 (2000) | |
| | C41 | MANJULA, <i>et al.</i> , "Site-Specific PEGylation Of Hemoglobin At Cys-93(β): Correlation Between The Colligative Properties Of The PEGylated Protein And The Length Of The Conjugated PEG Chain," <i>Bioconjugate Chem.</i> <u>14</u> :464-472 (2003) | |
| | C42 | MAO, <i>et al.</i> , "Chitosan-DNA Nanoparticles As Gene Carriers: Synthesis, Characterization And Transfection Efficiency," <i>J. of Controlled Release</i> <u>70</u> (3):399-421 (2001) | |
| | C43 | MARUYAMA, <i>et al.</i> , "Targeting Efficiency Of PEG-Immunoliposome-Conjugated Antibodies At PEG Terminals," <i>Advaced Drug Delivery Reviews</i> <u>24</u> (2,3):235-242 (1997) | |
| | C44 | MARUYAMA, <i>et al.</i> , "Targetability Of PEG-Immunoliposomes Conjugating Antibodies At The Ends Of PEG Chains," <i>Polymer Preprints</i> <u>38</u> (1):541-542 (1997) | |
| | C45 | MENEZES, <i>et al.</i> , "Cellular Trafficking And Cytotoxicity Of Anti-CD19-Targeted Liposomal Doxorubicin In B Lymphoma Cells," <i>Journal of Liposome Research</i> <u>9</u> (2):199-228 (1999) | |
| | C46 | MEYER, <i>et al.</i> , "Cationic Liposomes Coated With Polyethylene Glycol As Carriers For Oligonucleotides", <i>The J. of Biological Chemistry</i> , <u>273</u> (25):15621-15627 (1998) | |
| | C47 | MOREIRA, <i>et al.</i> , "Targeting Stealth Liposomes In A Murine Model Of Human Small Cell Lung Cancer," <i>Biochimica et Biophysica Acta</i> <u>1515</u> (2):167-176 (2001) | |
| <i>RL</i> | C48 | OLIVER, <i>et al.</i> , "Synthesis Of Pegylated Immunonanoparticles," <i>Pharmaceutical Res.</i> <u>19</u> (8):1137-1143 (2002) | |

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| PK | C49 | PERRET, <i>et al.</i> , "Versatile Decoration Of Glass Surfaces To Probe Individual Protein-Protein Interactions And Cellular Adhesion," <i>Langmuir</i> <u>18</u> (3):846-854 (2002) | |
| | C50 | Pierce Product Catalog "SMCC (Succinimidyl 4-[N-Maleimidomethyl]Cyclohexane-1-Carboxylate)," Product No. 22360 (2002) | |
| | C51 | REDDY, <i>et al.</i> , "Folate-Targeted, Cationic Liposome-Mediated Gene Transfer Into Disseminated Peritoneal Tumors," <i>Gene Therapy</i> <u>9</u> (22):1542-1550 (2002) | |
| | C52 | ROMANI, <i>et al.</i> , "Synthesis Of Unsymmetrical Cystine Peptides: Directed Disulfide Pairing With The Sulfenohydrazide Method," <i>Chem. of Peptides and Proteins</i> <u>2</u> :29-34 (1984) | |
| | C53 | SAPRA, <i>et al.</i> , "Targeting Of Immunoliposomal Vincristine To Hematological Malignancies," <i>Proceed. Int'l. Symp. Control. Rel. Bioact. Mater. Controlled Release Soc.</i> <u>28</u> :582-583 (2001) | |
| | C54 | SAPRA, <i>et al.</i> , "Internalizing Antibodies Are Necessary For Improved Therapeutic Efficacy Of Antibody-Targeted Liposomal Drugs," <i>Cancer Res.</i> <u>62</u> (24):7190-7194 (2002) | |
| | C55 | SCHMIDT, <i>et al.</i> , "Force Tolerances Of Hybrid Nanodevices," <i>Nano Letters</i> <u>2</u> (11):1229-1233 (2002) | |
| | C56 | Shearwater Catalog, "Polyethelene Glycol And Derivatives For Biomedical Applications," Shearwater Corporation, pp. 1-17 (2001) | |
| | C57 | SHI, <i>et al.</i> , "Noninvasive Gene Targeting To The Brain," <i>Proceed. Of the Nat'l Academy of Sci. of the U.S.A.</i> <u>97</u> (13):7567-7572 (2000) | |
| | C58 | SHI, <i>et al.</i> , "Brain-Specific Expression Of An Exogenous Gene After I.V. Administration," <i>Proceed. Of the Nat'l Academy of Sci. of the U.S.A.</i> <u>98</u> (22):12754-12759 (2001) | |
| | C59 | SHUKLA, <i>et al.</i> , "Synthesis And Biological Evaluation Of Folate Receptor-Targeted Boronated PAMAM Dendrimers As Potential Agents For Neutron Capture Therapy," <i>Bioconjugate Chem.</i> <u>14</u> (1):158-167 (2003) | |
| PK | C60 | SOUZA, <i>et al.</i> , "Membrane-Active Properties Of α -MSH Analogs: Aggregation And Fusion Of Liposomes Triggered By Surface-Conjugated Peptides," <i>Biochimica et Biophysica Acta</i> <u>1558</u> (2):222-237 (2002) | |

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| PK | C61 | TAKIZAWA, <i>et al.</i> , "Targetability Of The Pendant Type Polyethyleneglycol-Immunoliposomes In Vivo," <i>Drug Delivery System</i> <u>13</u> (6):407-414 (1998) | |
| | C62 | TANG, <i>et al.</i> , "Preparation Of A New Pegylation Reagent For Sulfhydryl-Containing Polypeptide," <i>Tetrahedron Letters</i> <u>35</u> (35):6515-6516 (1994) | |
| | C63 | TESSMAR, <i>et al.</i> , "Amine-Reactive Biodegradable Diblock Copolymers", <i>Biomacromolecules</i> <u>3</u> (1):194-200 (2002) | |
| | C64 | TSUTSUMI, <i>et al.</i> , "Site-Specific Chemical Modification With Polyethylene Glycol Of Recombinant Immunotoxin Anti-Tac(Fv)-PE38 (LMB-2) Improves Antitumor Activity And Reduces Animal Toxicity And Immunogenicity," <i>Proceed. of the Nat'l Academy of Sci. of the U.S.A.</i> <u>97</u> (15):8548-8553 (2000) | |
| | C65 | TURNER, <i>et al.</i> , "The Transfection Of Jurkat T-Leukemic Cells By Use Of pH-Sensitive Immunoliposomes," <i>Journal of Liposome Research</i> <u>12</u> (4):311-334 (2002) | |
| | C66 | VARGAS, <i>et al.</i> , "Diels-Alder Modification Of Poly(Ethylene Terphthalate-Co-Anthracene-2,6-Carboxylate) With N-Substituted Maleimides," <i>J. of Polymer Sci.</i> <u>40</u> (19):3256-3263 (2002) | |
| | C67 | VREELAND, <i>et al.</i> , "Molar Mass Profiling Of Synthetic Polymers By Free-Solution Capillary Electrophoresis Of DNA-Polymer Conjugates," <i>Anal. Chem.</i> <u>73</u> (8):1795-1803, (2001) | |
| | C68 | WU, <i>et al.</i> , "p53 Protein Oxidation In Cultured Cells In Response To Pyrrolidine Dithiocarbamate: A Novel Method For Relation The Amount Of p53 Oxidation In Vivo To The Regulation Of p53-Responsive Genes", <i>Biochem. J.</i> , <u>351</u> (1):87-93, (2000) | |
| PK | C69 | WÜNSCH, <i>et al.</i> , "A New Method For The Selective Synthesis of Unsymmetrical Cystine Peptides," <i>Peptides; Proceedings of the 17th European Peptide Symposium</i> , pp. 183-188 (1982) | |
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